

**REMARKS**

It is believed that the foregoing amendments attend to all the matters raised by the Examiner in Sections 1 and 2 of the Official Action, and also sharply distinguish over the references cited in Sections 5–10 of the Official Action. Favorable reconsideration of the Application is respectfully requested in the light of these amendments and the following remarks.

With respect to Section 1 of the Official Action, a paragraph has been introduced into the introductory portion of the Specification expressly making reference to the Provisional Application whose priority date is claimed under 35 U.S.C. 119(e).

With respect to Section 2 of the Official Action, the Specification (page 6, lines 7–13) has been corrected to make express reference to output terminals 23a, 23b seen in Fig. 3 of the drawings. Accordingly, no correction of the drawings is deemed necessary.

With respect to Section 4 of the Official Action, Claims 13 and 14 were indeed intended to have depended from Claim 12, and not from Claim 11, as noted by the Examiner; the claims have been so amended.

With respect to Section 5 of the Official Action, the two independent claims, namely method Claim 1 and apparatus Claim 11, have been amended in order to more clearly define the present invention and to more sharply distinguish it over the cited reference, McLean U.S. Patent 3, 563,245. Thus, both independent Claims 1 and 11 have been amended to bring out that the electrical energy, for powering an implanted medical device, is generated from the subject's body by physically contacting an external surface of a part of a subject's cardiovascular system with a pulsation transducer to sense pulsations therein and to convert the pulsations into electrical energy. This sharply

distinguishes over McLean, which includes “a pressure transducer 6 in the form of a small, compressible and airtight balloon or bag filled with a predetermined amount of gas” introduced into the right ventricle of the heart; see, for example, column 2 lines 61–65.

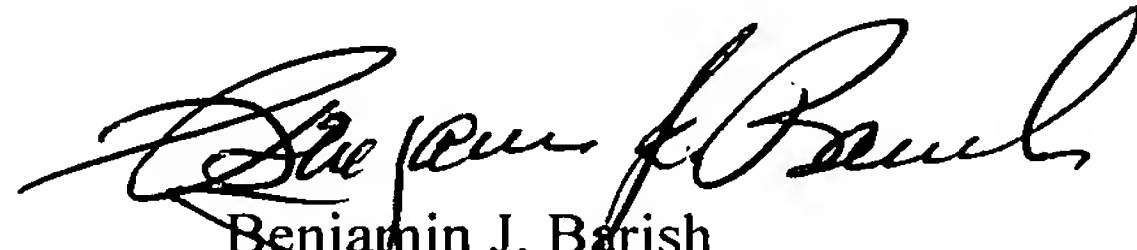
The foregoing features now included in independent Claims 1 and 11 are also not present in any of the secondary references. Thus, Kieval et al U.S. Patent 6,850,801 is not even concerned with generating electrical energy from a subject’s body for powering an implanted medical device, but rather is concerned with devices and methods for controlling the baroreflex system for the treatment and/or management of cardiovascular and renal disorders, as set forth, for example, in column 1, lines 20–26. Ko U.S. Patent 3,456,134 is concerned with powering implanted devices, but it does so in a way which is completely different from that of the present invention, namely by the use of a cantilever beam (10) including a weight at its free end and mounted within a closed container for generating electrical energy by the mechanical movements of the subject. Herman U.S. Patent 3,757,846, is even more remote in that it merely relates to means for generating electricity by imparting movement of liquids by electromagnetic forces. The invention is described in the form of gyroscope implementations, which is quite different from implanted medical devices involved in the present invention.

It is submitted, therefore, that independent Claims 1 and 11 are now clearly allowable over the references cited in the Official Action. The remaining claims all depend from either Claim 1 or Claim 11, and are therefore deemed to be allowable for the same reasons apart from the further features set forth in the respective dependent claims. Although the secondary references were cited only against the dependent claims, it is

believed clear, from the above, that not only the independent claims, but also the dependent claims, are patentable over the secondary references, whether taken singly or in combination.

In view of the foregoing, it is believed this Application is now in condition for allowance, an early Notice of Allowance is respectfully requested.

Respectfull submitted

A handwritten signature in black ink, appearing to read "Benjamin J. Barish", written in a cursive style.

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